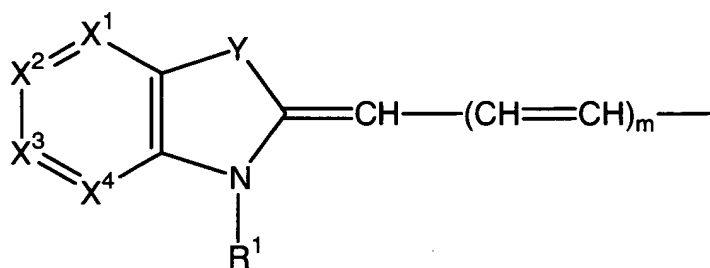


Amendments to the Specification:

Please make the following amendments to the specification. Material to be inserted in replacement paragraphs or sections is in **bold and underline**, and material to be deleted is in ~~strikeout~~ or (if the deletion is of five or fewer consecutive characters or would be difficult to see) in double brackets [[]]. These amendments correct typographical errors in the application and to bring the Summary and Abstract into conformity with the claims.

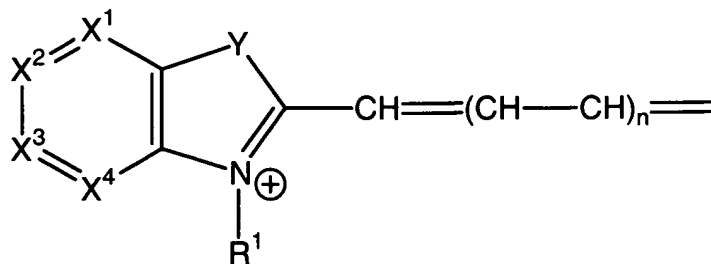
- 10 Please replace the paragraph in the "Summary" on page 5, line 18 to page 6, line 14 with the following replacement paragraph:

A, B, C, D, E, and F are selected from a variety of elements and groups, including but not necessarily limited to O, S, Se, Te, ~~[[C(R^a)(R^b),]]~~ N-R^c, **C(R^f)(R^g)**, ~~[[N(R^d)(R^e),]]~~ W¹, and W².



15 **W¹**

and



The components R^a, R^b, R^c, R^d, R^e, n, m, X¹, X², X³, X⁴, and Y are defined in detail in the Detailed Description. However, generally, each compound includes at least one of W¹ or W², with the preferred synthetic precursors including one, and the preferred reporter compounds including two. The compound may include at least one S. Alternatively, or in addition, the compound may include at least one heteroatom in ~~[[ef]]~~ X¹ through X⁴ of W¹ or W² ~~[[is heteroatom]]~~. Alternatively, or in addition, the compound may include a reactive group and/or a carrier. Alternatively, or in addition, A, B, C, D, E, and F may be chosen so that the compound is photoluminescent.

Please replace the paragraph in the "Detailed Description of the Invention" on page 10, lines 1-6 with the following replacement paragraph:

Substituents A, B, C, D, E, and F also may take a variety of forms. Preferred substituents include O, S, Se, Te, $[[C(R^a)(R^b)_7]]$ N-R^c, C(R^f)(R^g), $[[N(R^d)(R^e)_7]]$ W¹, and
5 W². ~~[[R^a, R^b, and]]~~ R^c may be selected from the group consisting of aliphatic, heteroatom-substituted aliphatic, polyether, aromatic, reactive aliphatic, and reactive aromatic groups, among others. $[[R^d]]$ R^f and $[[R^e]]$ R^g may be selected from the group consisting of carboxylic acid, cyano, carboxamide, carboxylic ester, and aliphatic amine groups, among others. Alternatively, or in addition, R^f and R^g, taken in combination,
10 may form 5- and 6-membered rings.

Please replace the paragraph in the "Abstract" on page 106, line 13 to page 107, last line with the following replacement paragraph:

15 A, B, C, D, E, and F are selected from a variety of elements and groups, including but not necessarily limited to O, S, Se, Te, $[[C(R^a)(R^b)_7]]$ N-R^c, C(R^f)(R^g), $[[N(R^d)(R^e)_7]]$ W¹, and W².